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109

FEB 14 2001

1533

RAW SEQUENCE LISTING DATE: 02/05/2001
PATENT APPLICATION: US/09/245,198A TIME: 14:44:14

Input Set : A:\A003.txt
Output Set: N:\CRF3\02052001\I245198A.raw

4 <110> APPLICANT: Chicheportiche, Yves
5 Browning, Jeffrey
7 <120> TITLE OF INVENTION: Tumor Necrosis Factor Related Ligand
10 <130> FILE REFERENCE: A003
12 <140> CURRENT APPLICATION NUMBER: 09/245,198A
13 <141> CURRENT FILING DATE: 1999-02-05
15 <150> PRTOR APPLICATION NUMBER: 60/023,541
16 <151> PRIOR FILING DATE: 1996-08-07
18 <150> PRIOR APPLICATION NUMBER: 60/028,515
19 <151> PRTOR FILING DATE: 1996-10-18
21 <150> PRIOR APPLICATION NUMBER: 60/040,820
22 <151> PRIOR FILING DATE: 1997-03-18
24 <160> NUMBER OF SEQ ID NOS: 27
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1168
30 <212> TYPE: DNA
31 <213> ORGANISM: homo sapien
33 <400> SEQUENCE: 1
34 gggtgcgtgac ctggccctgg cgtggcctg ctttggcctc ctgtggtcg tggtcagcgt
35 ggggagctgg gcaacgcgtgt ctggccaggaa gccttctcaq gaggagctga cagcagagya
36 cccggccggag cccctgttaac tgaatccccca gacagaggaa agccaggatg tggtaccttt
37 cttygaacaa cttagtcggc ctcgaagaagtg tcgttctaaa ggccggaaagg cgccgcctcg
38 ccggatctt gcacccattt atgggtttca tccttcggccaa ggacaggatg gaccaacayc
39 agggttgttat gggcacagtgtt ggggtctggaa agagacaaaaa atcaacatgc ctggccctct
40 gggctacgac cgcacatgg yggaaattttac agtcatcagg gtcgggtctt actacctgt
41 ctgtcaatgtg caacttgcatttgggaaatggc tgcttctacccg aagctgtgtt tgcgttgtaa
42 cggtgtgtgtg gcccgtcgct gctgttgcaga alttcgcggcc acagcggccaa gcttcctcg
43 gccccggcgtc cgttttgcggc aggtgttgcggc gtcgtttgcggc ctggggccag ggtttttccct
44 tcggatccgc acccttccctt gggctcatctt taaggctgtcc cccttcataa cttacttgg
45 actctttcaa gtttcaatgtg gggccctgtcttcccaatccat ctttttttttccctgtcc
46 caggagcatc accacaccccttccatccatccatccatccatccatccatccatccatccatccatccat
47 ggtecaatgtt tgcgttctctt caaaggcage cagatgttgc ttcacatgtttt cttttccaca
48 gacgtatctt tgcgttctctt aacatccatccatccatccatccatccatccatccatccatccatccat
49 ctt
50 ttgttgtccatccatccatccatccatccatccatccatccatccatccatccatccatccatccatccat
51 taggcacaa gtcacccatccatccatccatccatccatccatccatccatccatccatccatccatccat
52 ctgtggattt tgaaagata ctatttttat tattattgtt acaaaatgtt aatggatat
53 taaaagaaat aatcatgtat ttcttc
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 225
57 <212> TYPE: PRT
58 <213> ORGANISM: homo sapien
60 <400> SEQUENCE: 2
61 Val Leu Ser Leu Gly Leu Ala Leu Ala Cys Leu Gly Leu Leu Val
62 1 5 10 15
63 Val Val Ser Leu Gly Ser Trp Ala Thr Leu Ser Ala Cln Glu Pro Ser

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64	20	25	30	
65	Gln	Glu	Leu	Thr Ala Glu Asp Arg Arg Glu Pro Pro Glu Leu Asn
66	35	40	45	
67	Pro	Gln	Thr Glu	Glu Ser Gln Asp Val Val Pro Phe Leu Glu Gln Leu
68	50	55	60	
69	Val	Arg	Pro Arg Arg Ser Ala Pro Lys Gly Arg Lys Ala Arg Pro Arg	
70	65	70	75	80
71	Arg	Ala	Ile Ala Ala His Tyr Glu Val His Pro Arg Pro Gly Gln Asp	
72	85	90	95	
73	Gly	Ala	Gln Ala Gly Val Asp Gly Thr Val Ser Gly Trp Glu Glu Thr	
74	100	105	110	
75	Lys	Ile Asn	Ser Ser Pro Leu Arg Tyr Asp Arg Gln Ile Gly Glu	
76	115	120	125	
77	Phe	Thr Val	Ile Arg Ala Gly Leu Tyr Tyr Leu Tyr Cys Gin Val His	
78	130	135	140	
79	Phe	Asp Glu	Gly Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asn	
80	145	150	155	160
81	Gly	Val Leu	Ala Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala	
82	165	170	175	
83	Ser	Ser Pro	Gly Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu	
84	180	185	190	
85	Pro Leu	Arg Pro Gly Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp Ala		
86	195	200	205	
87	His Leu	Lys Ala Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val		
88	210	215	220	
89	His			
90	225			
92	<210>	SEQ ID NO:	3	
93	<211>	LENGTH:	1373	
94	<212>	TYPE:	DNA	
95	<213>	ORGANISM:	homo sapien	
97	<400>	SEQUENCE:	3	
98	atgttattgt tagactttga aatttccgec cgccggctcc ccccccggg atcccccggg		60	
99	tcccgggatg gggggggcgt gaggcaggca cagcccccccg ccccatggc cgcccgtcgg		120	
100	agccagggc ggaggggggcg ccggggggcc cgggcaccc ccctqctggc cccgctcgcg		180	
101	ctggggcttg gcctggcgtc ggccttcctc ggctcttcgc tggcgtgtgt cagtttgggg		240	
102	agccggcatc cgctgtccgc ccaggagccct gccctggagg agctgggtgc agaggaggac		300	
103	caggaccctt cggaaactgaa tccccagaca gaagaaagcc aggatcttgc gccitttcctg		360	
104	aaccgactag ttccggctcg cagaagtgc cctaaaggcc ggaaaaacacg ggctcgaaga		420	
105	cgatcgcaag cccattatga agtttcatcca cgaacctggac aggacggagc cgaggcaat		480	
106	gtggacggaa cagtggatgg ctggggggaa gcggaaatca acatctccag ccctctgcgc		540	
107	tacaaccgccc agatcgggga gtttatatagc accccgggtg ggtctacta cctytactgt		600	
108	caggtgcact ttgtatgggg gaaggctgtc tacctgaagc tggacttgtc ggtggatgt		660	
109	gtgtggccc tgcgtgcct ggaggaaatc tcagccactg cggccatgtc cctcggggccc		720	
110	cagctccgccc tctgcctagg gtcttggctg ttggccctgc ggccagggtc ctccctgcgg		780	
111	atccgcaccc tccccctgggc ccatctcaag gctggccccc tcttcaccta cttcggactc		840	
112	tcccaaggctt actgggggc ctgtgtctcc ccacagtcgt cccaggctgc cggtccccct		900	
113	cggcggctct ctgggcaccc ggtccccctt cccacccctt cagccgtctt tgctccaga		960	
114	cctggcccttc cctctayagg ctgcctgggc ctgttcacgt gttttccatccatccat		1020	

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115 acagtattcc cactttatc ttacaactcc cccacccccc actctccacc tcactagctc 1080
116 cccaaatccct gacccttbya ggcccccaagt gatctcgact ccccccctggc cacagacccc 1140
117 caggccattg tttctgttgt actctgttgtg caaggatggg tccagaagaac cccatcttcaq 1200
118 qcactaaaggg qggttggacc tggcggeaqg aagccaaaqaq qactgggcct aggccaggag 1260
119 ttcccaaataat tgaggggcya gaaacuaqac aagctcttcc cttgagaatt ccctgtggat 1320
120 ttttaaaaca gatattttt ttattttat ttttgacaaaaa ttgttgataaa tgg 1373
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 284
124 <212> TYPE: PRT
125 <213> ORGANISM: homo sapien
127 <400> SEQUENCE: 4
128 Met Ser Leu Leu Asp Phe Glu Ile Ser Ala Arg Arg Leu Pro Leu Pro 1080
129 1 5 10 15
130 Arg Ser Leu Gly Ser Arg Asp Gly Gly Ala Val Arg Gln Ala Gln Pro 1140
131 20 25 30
132 Pro Ala Pro Met Ala Ala Arg Arg Ser Gln Arg Arg Arg Gly Arg Arg 1200
133 35 40 45
134 Gly Glu Pro Gly Thr Ala Leu Leu Val Pro Leu Ala Leu Gly Leu Gly 1260
135 50 55 60
136 Leu Ala Leu Ala Cys Leu Gly Leu Leu Leu Ala Val Val Ser Leu Gly 1320
137 65 70 75 80
138 Ser Arg Ala Ser Leu Ser Ala Gln Glu Pro Ala Gln Glu Glu Leu Val 1373
139 85 90 95
140 Ala Glu Glu Asp Gln Asp Pro Ser Glu Leu Asn Pro Gln Thr Glu Glu 1420
141 100 105 110
142 Ser Gln Asp Pro Ala Pro Phe Leu Asn Arg Leu Val Arg Pro Arg Arg 1480
143 115 120 125
144 Ser Ala Pro Lys Gly Arg Lys Thr Arg Ala Arg Arg Ala Ile Ala Ala 1540
145 130 135 140
146 His Tyr Glu Val His Pro Arg Pro Gly Gln Asp Gly Ala Gln Ala Gly 1600
147 145 150 155 160
148 Val Asp Gly Thr Val Ser Gly Trp Glu Glu Ala Arg Ile Asn Ser Ser 1660
149 165 170 175
150 Ser Pro Leu Arg Tyr Asn Arg Gln Ile Gly Glu Phe Ile Val Thr Arg 1720
151 180 185 190
152 Ala Gly Leu Tyr Tyr Leu Tyr Cys Gln Val His Phe Asp Glu Gly Lys 1780
153 195 200 205
154 Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asp Gly Val Leu Ala Leu 1840
155 210 215 220
156 Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Leu Gly Pro 1900
157 225 230 235 240
158 Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu Ala Leu Arg Pro Gly 1960
159 245 250 255
160 Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp Ala His Leu Lys Ala Ala 2020
161 260 265 270
162 Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val His 2080
163 275 280
165 <210> SEQ ID NO: 5
166 <211> LENGTH: 18

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167 <212> TYPE: DNA
168 <213> ORGANISM: homo sapien
170 <400> SEQUENCE: 5
171 gttccagggc agcctggg
173 <210> SEQ ID NO: 6
174 <211> LENGTH: 6
175 <212> TYPE: DNA
176 <213> ORGANISM: homo sapien
178 <400> SEQUENCE: 6
179 aataaa
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: homo sapien
186 <400> SEQUENCE: 7
187 ccctgcgtg cctggggaa
189 <210> SEQ ID NO: 8
190 <211> LENGTH: 20
191 <212> TYPE: DNA
192 <213> ORGANISM: homo sapien
194 <400> SEQUENCE: 8
195 tttatgggggg aaggcggtct
197 <210> SEQ ID NO: 9
198 <211> LENGTH: 20
199 <212> TYPE: DNA
200 <213> ORGANISM: homo sapien
202 <400> SEQUENCE: 9
203 agaccaggc ccctcaagtga
205 <210> SEQ ID NO: 10
206 <211> LENGTH: 18
207 <212> TYPE: DNA
208 <213> ORGANISM: homo sapien
210 <400> SEQUENCE: 10
211 gttccagggc agcctggg
213 <210> SEQ ID NO: 11
214 <211> LENGTH: 20
215 <212> TYPE: DNA
216 <213> ORGANISM: homo sapien
218 <400> SEQUENCE: 11
219 tcagggtcac ttgtatgggg
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 18
223 <212> TYPE: DNA
224 <213> ORGANISM: homo sapien
226 <400> SEQUENCE: 12
227 ctgtcagtc ctcctgag
229 <210> SEQ ID NO: 13
230 <211> LENGTH: 20
231 <212> TYPE: DNA

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232 <213> ORGANISM: homo sapien
234 <400> SEQUENCE: 13
235 agcaggagcc ttctcaqgag 20
237 <210> SEQ ID NO: 14
238 <211> LENGTH: 21
239 <212> TYPE: DNA
240 <213> ORGANISM: homo sapien
242 <400> SEQUENCE: 14
243 gatccaggga ggagcttgtc c 21
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 20
247 <212> TYPE: DNA
248 <213> ORGANISM: homo sapien
250 <400> SEQUENCE: 15
251 ccctgcgtg cctggaggaa 20
253 <210> SEQ ID NO: 16
254 <211> LENGTH: 20
255 <212> TYPE: DNA
256 <213> ORGANISM: homo sapien
258 <400> SEQUENCE: 16
259 agaccagggc ccctcaqtga 20
261 <210> SEQ ID NO: 17
262 <211> LENGTH: 21
263 <212> TYPE: DNA
264 <213> ORGANISM: homo sapien
266 <400> SEQUENCE: 17
267 agtcgtccca ggctggccgc t 21
269 <210> SEQ ID NO: 18
270 <211> LENGTH: 21
271 <212> TYPE: DNA
272 <213> ORGANISM: homo sapien
274 <400> SEQUENCE: 18
275 cctgaagtgg ggtctctctgg a 21
277 <210> SEQ ID NO: 19
278 <211> LENGTH: 231
279 <212> TYPE: PRT
280 <213> ORGANISM: homo sapien
282 <400> SEQUENCE: 19
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284 1 5 10 15
285 Leu Pro Lys Lys Thr Gly Gly Pro Gln Gly Ser Arg Arg Cys Leu Phe
286 20 25 30
287 Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe
288 35 40 45
289 Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Phe Pro
290 50 55 60
291 Arg Asp Leu Ser Leu Ile Ser Ser Pro Leu Ala Gln Ala Val Arg Ser
292 65 70 75 80
293 Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn

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VERIFICATION SUMMARY DATE: 02/05/2001
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